

[illegible]

- [illegible]

[illegible]

1        8.        The method of claim 1 in which the service classes  
2        comprise at least one expedited forwarding class and at least one  
3        assured forwarding class.

1     10.     The method of claim 9 in which the percentage comprises a  
2     percentage of the total bandwidth of a link on which the packets  
3     are transmitted.

1     12.     The method of claim 11 in which the transmission rates are  
2     sent by the recipients using a feedback channel to the node.

1     13.     The method of claim 1 in which the rates of transmission of  
2     the packets are controlled by two-level scheduling including a  
3     class level in which rates are determined among the classes of  
4     service and a recipient level in which rates are determined among  
5     the recipients associated with each class.

1     14.     The method of claim 13 in which the recipient level uses  
2     the Qualcomm algorithm.

1     15.     The method of claim 13 in which the class level scheduling  
2     is based on at least one of the following for each of the classes: a  
3     configured minimum average forwarding rate percentage for the

4 class, an actual forwarding rate percentage recently received by the  
5 class, and a channel quality for the recipients that belong to the  
6 class and are selected to receive service by the recipient level  
7 scheduling.

1 22. The method of claim 13 in which the class level scheduling  
2 selects a class from among a subset of the classes.

1

1 ~~23.~~ The members of the subset of classes are determined by  
2 pre-assigned schedule times.

1 24. The method of claim 13 in which the recipient level  
2 scheduling selects a recipient from among a subset of the  
3 recipients.

1 ~~25.~~ The members of the subset of recipients are determined by  
2 pre-assigned schedule times.

1

1 ~~26.~~ Apparatus comprising  
2 a communications node configured to receive data packets,  
3 associate each of the received data packets with one of a set of  
4 different service classes, transmit packets corresponding to the  
5 received data packets to recipients, and control the order in which  
6 packets are transmitted based on the transmission rate and the  
7 service class of the packets.

1 ~~27.~~ A method comprising  
2 receiving from a network operator values representing  
3 minimum average forwarding rate percentages for each of more  
4 than one distinct classes of service associated with transmission of  
5 packets from a radio node of a network to recipients, and

6 scheduling packets for transmission among the different  
7 classes based on the received values.

8

Attorney Docket 12144-004001